Honeywell

Software release bulletin
HBS CARE 9.02.00

A. PART NUMBER:

New Licenses *(delivered with protection plug)*

CARE-80-BASIC	CARE 9 Basic Version for XL5000 System engineering (XL50, XL100, XC5010C, XCL8010, XCL5010, EXCEL-WEB) with LON engineering
CARE-80-LNS	CARE 9 additionally with LNS Turbo License with one device credit
CARE-80-FULL	CARE 9 All Features including RACL and ASPECD Support

Upgrade licenses *(for CARE ≥ 4.00.00 – 7.03.00))(If you have already CARE 8 you don't need to purchase a new version)*

PROTPLUG-UP	Protection plug to upgrade existing CARE ≥ 4.00.00 – 7.03.00

Feature Upgrade licenses *(for CARE ≥ 4.00.00)*

CARE-FU-LON	Feature Upgrade to Lon Functionality Required for Lon engineering and commissioning
CARE-FU-LNS	Feature Upgrade to LNS Functionality (requires Lon) Required for Plug-in execution and LNS synchronization.
CARE-FU-WEB	Feature Upgrade to Excel-WEB Functionality (requires Lon) Required for EXCEL WEB engineering and commissioning.

Additional Tools

XL-ONLINE	Software license for XL-Online stand alone *(with protection plug)*
EXCELON	Software license for EXCELON Lon Analyzer *(with protection plug)*

CARE 9.02.00 can be downloaded via the Honeywell License Server http://tools.ge51.honeywell.de in the download section.
LNS can be downloaded from License Server after Login from download section.

B. RELEASE DATE: 20 July 2011

Caution: For new SanDisk protection plugs CARE 8.02.01 or later is recommended

For the new Protection Plug types it is mandatory to use CARE >=8.02.01, XL-Online >= 8.02.01 or Excelon >= 4.1.

New Version is backwards compatible to existing Protection Plugs.

C. DESCRIPTION: Excel Computer Aided Regulation Engineering („**CARE**“) software provides graphic tools to create data files and control programs for Excel 50, Excel 80, Excel 100, Excel 500, Excel 600, EXCEL 800, Excel-WEB and Open Point Server Controllers. CARE is additionally capable to replace a LON Engineering Tool for all LonMark compliant devices (no support for dynamic NV´s).

Major Changes in CARE Version 9.02.00:

- CARE, Excelon, XL-Online and XW-Online are supported with Windows 7 32Bit / 64Bit with non admin rights
    - For setup Remote XL-Online admin rights are nessesary!
- CARE with Windows 7 32Bit / 64Bit supports Office2007 and Office 2010.
- CARE with Microsoft XP supports only Office 2003
- CARE supports Windows 7 32Bit and 64Bit.

Windows7 64Bit Version supports only basic functions.

Excluded are LiveCare, ASPECD Editor, RACL-Editor

- includes PCR fixes of previous CARE versions

D. Shipping: CARE License is shipped as protection Plug. Latest SW has always to be downloaded from the Internet or Intranet.

Note:	**SW can be downloaded from the Honeywell License Server** **http://tools.ge51.honeywell.de**

For Details see:
www.echelon.com **www.loytec.com**

E. SOFTWARE REQUIRED:

Microsoft® Windows XP 32 Bit together with Office 2003

To install and execute CARE the Windows XP user must have Administrator privilege on this PC.

Microsoft® Windows Vista 32bit together with Office 2003

To install and execute CARE the Windows Vista user must have Administrator privilege on this PC.

Microsoft® Windows 7 32/64 Bit together with Office 2007 or 2010

To install CARE the Windows 7 user must have Administrator privilege on this PC.

To execute CARE non admin rights are sufficient.

Visual Localize 2.01.01 or higher for localization of the software components.

F. HARDWARE REQUIRED

For Microsoft Windows XP 32 Bit

- Minimum Pentium PC 1.73 GHz.
- 2 GB Ram or more
- 10 GB free hard disk space
- Graphic resolution min. 1024 x 768 or more
- Lon Network interface (see bellow for type)
- Printer supported by Microsoft Windows XP (HP LaserJet recommended)

For Microsoft Windows Vista 32 Bit

- Minimum Pentium PC 1.73 GHz.
- 4 GB Ram or more
- 10 GB free hard disk space
- Graphic resolution min. 1024 x 768 or more
- Lon Network interface (see bellow for type)
- Printer supported by Microsoft Vista (HP LaserJet recommended)
- Vista compatible Lonmark Plugin's

For Microsoft Windows 7 32/64 Bit

- Minimum Pentium PC 1.73 GHz.
- 4 GB Ram or more
- 10 GB free hard disk space
- Graphic resolution min. 1024 x 768 or more
- Lon Network interface (see bellow for type)
- Printer supported by Microsoft Vista (HP LaserJet recommended)
- Windows 7 compatible Lonmark Plugin's

Note: It is more important to increase the RAM size than the processor frequency (MHz).
Printers supported by MS-WinWord (HP LaserJet recommended)

Supported Lon network interfaces:

For Windows XP, Vista 32Bit and Windows7 32Bit operating systems

PCMCIA Cards:
Echelon PCC-10 Network Adapter

PCI Cards:
Echelon PCLTA-21 LonTalk Adapter

USB Adapter:
Loytec NIC709-USB 100
Echelon Model 75010 U10 USB Network Interface - TP/FT-10 Channel

IP Network Interface
Loytec NIC709-IP
CARE/EXCELON integrated IP 852 Driver with IP 852 Router
New! EXCEL WEB integrated **Remote Network Interface** **New!**

For Windows 7 64Bit operating system

USB Adapter:
Loytec NIC709-USB 100

Note:	**For Loytec NICs set "Automatic Flush cancel" in advanced tab otherwise CARE can not communicate with the device**

For Details see:
www.echelon.com www.loytec.com

Lon Network infrastructure components tested with CARE

Loytec L-Switch, Loytec L-IP

Echelon i.LON 1000, i.LON 600

Supported USB network interfaces for XL-WEB direct connection:

D-Link DUB-E100 USB 2.0 FAST ETHERNET ADAPTER

Note: This adapter is not supported with Windows 7 64Bit. No drivers available in the moment.

Phased Out:: SMC2208USB/ETH, SMC 2209USB/ETH, Belkin F5U104

G. LONMARK COMPATIBILITY:

CARE will be delivered with a CARE LON device library based on the Honeywell Plugins that will be registered with CARE. Newer Plugins need to be reregistered in CARE.
After CARE installation the Plugin registration needs to be upgraded according to the installed Plugins

CARE 9.02.00 supports the import for most of the 3rd party XIF-files for LonMark devices. On device commissioning CARE compares XIF-file and the application in the (3rd party) device. If the two files don't fit to each other, CARE issues with a warning or will refuse to do the commissioning. On LNS synchronization this comparison will be done in the same way.

If CARE is prompting a warning, CARE continues with commissioning / synchronization. When an error is prompted the commissioning / synchronization will aborted.

On remote (via RSS) LNS synchronization CARE checks the installed LNS version on the CARE- and LNS Server PC. If the versions are not equal a message will be displayed.
The check options can be disabled via the global options in CARE

In order to create a LNS database for EBI and because of a major LNS error it is mandatory to install LNS Turbo SP3a or later.

The Plugin for W7070A is not Microsoft Vista / Windows 7 compatible

Note:	Before third party support for specific Lon devices will be offered to customers the devices have to be checked by commissioning and LNS synchronization.

If LON devices should be integrated which are not in the device library it is recommended to check for the availability for XIF-file and Plug-In to configure the device before quote for a job. An online check is recommended so see if the LON device can be imported, configured, commissioned and exported to LNS database

H. BACnet COMPATIBILITY:

If BBMD is necessary the configuration has to be done with a text file in Linux format (ensure to use a editor which is capable)

For details see TAC FAQ.

I. INSTALLATION INSTRUCTIONS:

1. Start Windows software, if not already operating.

2. Logon with administrator privileges

Note:	**To install CARE the Windows user must have Administrator privilege on this PC. This applies to all Microsoft Windows operating systems.** **To operate CARE non admin rights are sufficient. This is tested for Windows 7 only. To initialize LNS database (e.g. to call up a PlugIn) CARE needs to be started once with administrator privilege.**

3. Check the amount of free disk space that is available on the drive where you want to install CARE.

4. Make project backups for the needed projects. CARE 9.02.00 can be installed in parallel to previous CARE versions without copying the CARE.INI file. Make a copy of the PCBBRACL.INI before CARE installation

   If a CARE directory already exists, first backup the CARE Database and Element Library from the main CARE screen, and copy your specific PIC and XFM files and the default files in the PCBSTD directory to a save location.

Note:	In case the element library of an already installed CARE version is different from the element library of this CARE version, run an element library backup in your legacy CARE version. This is required only for CARE 1.4.1 and higher. The element library backup could then be merged in the new CARE version via “Database/Import/Element Library as soon as the new CARE version is installed.

Note:	CARE 9.02.00 is using the Windows Registry instead of CARE.INI file. Installations of previous CARE versions can be used without copy of the CARE.INI file

5. Start the SETUP.EXE of the CARE installation media > RESULT: A welcome screen displays.

6. Click **Next >** RESULT: A screen with the license agreement displays.
7. Read the license agreement carefully. Then click **Yes**

8. Choose the target Directory. Then click **Next**

Note:	**Space or special characters in the path name are not supported**

9. Select the setup Components you prefer. Setup allows you to choose which components to install. By default the most common options are selected automatically.

   Note: For installation on Windows7 64Bit the not available parts like RACL and ASPECD editor not shown in the setup window. LifeCare will be not installed with this operating system. It is greyed in CARE user interface.

Component	Description
CARE-XL Web	Main component. Installs CARE environment for EXCEL-WEB engineering and startup
CARE-XL 500	Main component. Installs CARE for XL800 Family (50, 80, 100, 500, 800) engineering, the enhanced printout and LiveCARE with the static simulator.
Excelon	Installs Excelon the Lon Network analyzer
RACL Editor	Installs the RACL Editor which can be used to create country specific XFMs. NOTE: Country specific XFMs can only be created with permission of the country manager. Not for Windows7 64Bit.
ASPECD Editor	Editor to create customer specific versions of the controller operating sequence (*.ADL file). Selecting this component will automatically install the source files (*.AMA) needed to create local language versions of the

	controller's operating sequence. Not for Windows 7 64Bit.
ModAL XFM Library	CARE XFM's of the modular application library.
Empty CARE Database	CARE Database without any projects in it. This Database can be used to overwrite existing databases by doing a Database restore. This brings CARE in a state as after a new installation.
DIN Element Library	DIN Element Library installs a CARE database without elements, but with DIN pic files and one heating, cooling and air-conditioning element library
MPPT Files	Installs MPPT Tool needed for OLINK support

Click **Next >** to install the SW.

10. Select the Program Folder where the CARE Icons should be installed. Click **Next**

11. Check in the Start Copying Filed Dialog if all necessary components are selected. Click **Next** to install CARE

12. Depending on the Windows Installation it may be necessary to reboot the PC

13. To use RACL-Editor together with CARE 9.02.00 the CARE ini file needs to be generated manually in the Windows directory.

Note:	In case of installation of CARE 2.02.X or earlier and CARE 9.02.00 on the same PC, CARE 9.02.00 should not be installed into the "CARE"-sub-directory. Choose a different name.

Note:	In case you want to use an element library from an older CARE version, you might now merge this library into the CARE 9.02.00 library. To do so, select "Database/Import/Element Library". Refer to the handling procedures for details.

Note:	You may want to use UpDeft to bring the local language default files of your legacy CARE version to the new CARE version. The default files are located in the sub-directories of PCBSTD of you CARE installation directory. UpDeft.exe is not available in Windows 7 64Bit**.**

Note:	The following tools are still included in CARE. They are not more supported and tested. Use on your own risk. Tools: expev, libraryrenametool, patch, check, gexport, elemendi and template.

Note:	The following help files remain as they are in previous CARE version. The format will not change from hlp to chm. Help files: check.hlp, CWAREDIT.HLP, livecare.hlp, ops.hlp, pcbracl.hlp, zm5001.hlp. If you want to view them under Window7 32/64 Bit you need to install a tool which find on the Microsoft Website.→Windows-Help program ("WinHlp32.exe") for Windows 7.

K. DATA FILE COPY INSTRUCTIONS:

In case you use a different element library than the original one shipped with CARE 9.02.00, make sure that the graphic files that belong to the element library are copied in the <CARE Dir> \PIC directory. The extension of the graphic files is *.PIC.

L. SOFTWARE COMPATIBILITY:

Software	**Version No:**
Excel 500, Excel 100, Excel 80, Excel 50	1.1.30 or later
Excel 600	1.02.04 or later
Excel 800	all versions
EXCEL-WEB XLWebEXE	 1.04.xx or later
XL-Toolkit	with CARE interface for CARE 9.02.00
RSS	2.08.xx (latest Version preferred actually 2.08.17)
LNS on CARE PC	3.08 or 3.22 Turbo Edition SP3a or later
LNS on EBI- or SymmetrE- / Point Server PC	LNS Turbo Edition SP3a or later
Enterprise Buildings Integrator / SymmetrE	R310.1 SP4, R400.1 SP1, R410.1, R410.2 R310.1 SP4, R410.1, R410.2
Arena	2.01.00 and higher

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M. SOFTWARE PROBLEMS RESOLVED: see Appendix A

N. APPLICABLE LITERATURE:

Form No. Title	
EN2B-0478GE51	CARE Installation Guide
74-5587-15 (US) **EN2B-0182GE51 (Europe)**	Excel CARE User Guide
74-3556 (US) EN2B-0183 (Europe)	Excel Live CARE User Guide Instructions for using Live CARE software to access controller files on-line and simulate operation
74-5577 (US) EN2B-0184 (Europe)	Excel CARE Control Icons User Guide Descriptions and application examples of control icons used in the CARE control strategy
EN2B-162	RACL Editor User Guide. Graphical Editor for creation of strategy logic programs for Excel 500 controllers.
74-3594 (US) EN2B-185 (Europe)	ASPECD Editor User Guide Provides functions to modify the user interface for Excel Operator Terminals
EN2B-1031GE02 EN3B-1007	Excel OpenLink Point Server User & Installation Guide Excel OpenLink Point Server Flyer

O. SOFTWARE REPLACED: CARE 8.04.00, CARE 8.05.00
XL-Online 8.04.00, XL-Online 8.05.00
And all previous versions

P. Ordering Procedure:

CARE Protection Plug

Each CARE version must be registered with a Protection Plug. The new protection is based on a USB protection plug which can in parallel be used as a normal memory stick. CARE, XL-Online or Excelon software can be licensed on one Plug.

Note: CARE 9 is using a new USB protection plug. Existing CARE users need to order an upgrade "PROTPLUG-UP" where only a protection plug is delivered to transfer the existing CARE 4.x -7.x license to.

Existing Licenses will be kept and can be used in parallel. License Server will still handle the old licenses

Which License do I need to order for upgrading my current CARE Version

1. Required Function Lon commissioning
   - *order CARE FU LON for Lon commissioning*
2. Required Function Plug-in execution and LNS Synchronization
   - Feature Lon must be available if not need to be ordered
   - *Order CARE-FU-LNS (don't forget to install LNS)*
3. Required Function EXCEL WEB Support
   - Feature Lon must be available if not need to be ordered
   - *Order CARE-FU-WEB*

Ordering

The order has to be placed via the web store.

Order Number	Product
CARE-80-BASIC	Software license for XL500 & EXCEL-Web engineering, Open Link Point Server, EPROM Burn Tool and XL-Online without RACL and ASPECD Editor + Lon Engineering
CARE-80-LNS	Software license for XL500 & EXCEL-Web engineering, Open Link Point Server, EPROM Burn Tool and XL-Online without RACL and ASPECD Editor + LON engineering + LNS License + 1 credit.
CARE-80-FULL	Software license for CARE-XL500&CARE-XLWeb, Open Link Point Server, EPROM Burn Tool and XL-Online without RACL and ASPECD Editor + Lon Engineering + LNS License + 1 credit + RACL + ASPECD Editor.
PROTPLUG-UP	Protection Plug to upgrade CARE 4.x-7.x to CARE 9. (existing licenses will be kept)
CARE-FU-LON	Function Upgrade for LON engineering
CARE-FU-LNS	Function Upgrade to LNS (call up PlugIns and LNS synchronize)
CARE-FU-WEB	Function upgrade CARE 4 license to EXCEL-WEB
XL-ONLINE	Software License for XL5000 monitoring and configuration tool
EXCELON	Software License for Lonworks analyzer

The following Features can be licensed individually for the different CARE Versions:

CARE 9 Versions and SW features	XL5000 Egineering	OPS Engineering	LON Engineering	Plugin Execution	LNS Export	RACL / ASPECD	XL-WEB Egineering	XL-WEB Administration
CARE 9 New License								
CARE-80-BASIC	x	x	x				x	
CARE-80-LNS	x	x	x	x	x		x	
CARE-80-FULL	x	x	x	x	x	x	x	x
Upgrade for CARE versions >4.xx to Protection plug								
PROTPLUG-UP								
Feature Upgrade for all CARE versions								
CARE-FU-LON			x					
CARE-FU-LNS				x	x			
CARE-FU-WEB							x	

Note: Microsoft Windows 7 64Bit does not support LiveCARE, RACL- and ASPECD-Editor

SW Download
On ordering CARE / XL-Online / Excelon a Protection Plug will be delivered.

The SW can be downloaded directly from the following Internet address:
http://tools.ge51.honeywell.de

Appendix A: Solved PCR

Product Change Requests

PCR Number	* Abstract

CR-Number	* Summary
1-63912182	CARE Help files are not extended with MIO information
1-67913952	CARE gets crash in case of multiple data point sharing for one XFL Module.
1-80988152	Database or Project backup and restore doesnt work with Win7 OS
1-85241523	CARE - In the writing the Care software he added a blank seperation and this moved the points over.
1-87595780	HCA Control Icon Input /Output names are wrong.
1-88706347	CARE XL-Web: Printout shows wrong value for schedule property "Priority for Writing"
1-88708521	CARE XL-Web: Printout misses references for Reference Points
1-88768899	CARE XL-Web: Application generator: Wrong BACnet priority of created schedules and control loops
1-89197672	OEM controller user guide: AO5->DO9
1-89324404	Win 7– installation error / warning display even at time of uninstalling of care.
1-89464434	Care XL web Crashes when dongle is removed
1-90363192	When datapoint name is longer than 18 characters inproper error message appears
1-90478733	Allow user to adapt the BACnet instances of BACnet addresses
1-91568261	Impossible to change parameter of EOV by using XW-Online
1-92040792	Care does not allow multiple binding / mapping of Datapoint between two controller.
1-92379572	Update CARE device library with XL10 W7754 Variable Speed Fan firmware - new DRF
1-92914700	Changes of EBI Settings within the Device Library won't be stored.
1-96537352	Terminal assignment window looks different in Win XP than in Win 7
1-97051078	Care804 XLWeb --> Care crashes after internal parameter access
1-97404077	Care 8.04 - XL-Web; „Internal Program Error “after adding e-mail address to user.
1-98499493	Flex points - Multistage in XL800 + XL50
1-99083769	Uninstall of CARE will show self registration error
1-99409398	Zio:Homescreen do not show empty on deleting all variable assigned to it.
1-99653482	ACEC: Care reports error by translate when MAT output is connected to xfm input
1-99653496	ACEC:'Create/Edit Math Points’ dialog can be opened many times in parallel
1-99762908	XWonline crashes if on Windows XP SP3 greek language settings are applied.
1-100256383	Care XLWeb: Not possible to delete users
1-100826422	In AI IO charecteristic pull down menu , "no pull register" option is given 2 times
1-100831594	Unable to download application to MVC controller.
1-101125752	Care crashes with bluescreen
1-101190904	XL online 9.02.00 b2 standalone is installed instead of installing 9.02.00 b5.
1-101250158	Opening XL online standalone gives DLL missing error
1-101255128	Support for new mixed IO module MVC-IO830A is not available in OEM care
1-102122782	CARE-XLweb getting crash while taking print out
1-102366792	Care gives admin right error message in the following senario
1-102369146	Zio: Changing sylk wallmodule type gives error on translation

1-102369170	Zio: Temp wallmodule application fails to download to temp+ humidity wall module
1-102369176	ASPECD editor option is disabled in CARE controller drop down menu
1-102369662	Fonts.ini in Care 9.02.00 b.08 are different than in CARE 9.01.00 b.08
1-102434013	Unable to Open Excelon installed in fresh PC
1-102501027	MousePointer does not work in Lon work IO modules properties tab
1-102506584	Cannot access analog XLink points Care 8.03.00 build 176 and other versions.
1-102572187	Event enrollment page with unkown error messages.
1-102811432	unable to open help file from smart IO configure device window
1-102878650	Zio:wallmodule name can start with integers
1-103012608	project looses internal datapoint connection to XFM
1-103258019	LNS Plug-Ins disappear from foreground 3 sec after being launched from CARE 9.02.00b200
1-103261652	Error when signing on to XL Online Remote
1-103678112	Centraline device list page is not available in centraline setup help file
1-103737458	OEM Care setup shows caption OEM Care in Care Main Window in demo mode
1-103737482	Terminal assignment page do not display properly after modify module type
1-103929282	Care is crashing while performing the “Application Generator” under controller menu of “xlweb” care
1-103929346	In Xwonline,IF user navigates to any macro having IDT on Live carethen double click on property
1-103929400	Subnet2_IP information in case of RTF file for xlweb controller is not giving some wrong information
1-103929558	EBI setting option in care is not working properly
1-103929610	Project path name is appearing as “unknown.pra” while launching XLonline directly from careXL5000 by
1-103930992	Default Editor: Not able to enter digital eng. unit in one flow
1-104106278	Live Care: Live Care crashes when horizontal scroll bar is moved to another extreme
1-104114002	controller translate stops in CARE when special characters are used
1-104167740	Multichannel license: Xl800 controller is not visible in Care
1-104171182	delete unused software points function does not work properly
1-104172812	Translate of Application fails with "Internal Program Error" in CARE XL Web
1-104886952	Search and Replace stop replacing with a shared point
1-105155842	CARE crashes with GPF on restore of XLWeb project
1-105280604	Care 902b205 crashes in case of replicate plant will be canceled.
1-34050552	Relinquish Priority and Statement "On/Off Delay" missing in CARE doku
1-53146262	HCA Control Icon Input description is wrong.

Table 1 solved product change requests

Appendix B: Open Field PCR

Product Change Requests	
PCR Number	*** Abstract**

Appendix C: Known Problems

Problem	Workaround
The number of switching tables that write to the same analog datapoint must not exceed 20. Otherwise parameter import fails.	Do not create more than 20 switching tables per point.
The RACL Editor will not start if XL 1.3 Controller is selected in CARE.	Don't use this RACL Editor for this old Controller Versions. For 1.3 Controllers the old RACL Editor is necessary.
The Datapoint Editor hangs if the grid should be shown	Wrong settings in Country settings. For example the decimal separator is missing for numbers or currency
If CARE is installed from a user with its own account on a PC other users of this PC are not able to work with CARE with their login.	The Care user needs to be "power user" to properly use Care especially for the grid settings. If this is not the case the PC administrator has to change the access level for the user.
VA/VD point is not seen in other plants.	When deleting path to older Care version from autoexec.bat Problem is fixed.
? * Tab(\t) " / \ : < > blanks will be replaced by a "_" since CARE 5.00.00	There exist no workaround. To be compatible with EBI and LON those characters are not more allowed
CARE project can not be imported due to missing elements in CARE database	Before upgrading to new CARE version it is important to take a backup (export) of elementary libraries of the original CARE version.
If Windows OS language of the Tools PC is different to the language OS of the machine where EBI is running characters can be corrupted	Use same operating system for EBI then for CARE
Excel Web controllers with version XLWebExe 1.04.09 and older are not supported anymore.	Upgrade to the latest Excel Web firmware.
Laptop Dell E6410 crashes with blue screen during working in CARE in the area of the control loops.	This is related to a Graphic driver Intel Version 6.14.10.5225. Honeywell IT department is informed. The images will be changed. The Graphic driver 6.14.10.5322.A05 from Dell Website solves this problem.
CARE can only run once on one pc. Also it is not possible to run CARE twice in two windows accounts.	No workaround possible. Behavior as in the past

Appendix D: List of supported SNVT's

In the following EXCEL Spreadsheet all supported NV Types of the XL5000 System are shown for XL500 2.04, XL500 2.06 and EXCEL WEB.

SNVT List

Honeywell

Honeywell Technologies Sàrl
Division Honeywell ECC
La Pièce 16
1180 Rolle
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Phone +41 21 695 1000
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